

**POWER OF ATTORNEY BY ASSIGNEE TO EXCLUSION OF INVENTOR
UNDER 37 C.F.R. § 3.71 WITH REVOCATION OF PRIOR POWERS**

The undersigned ASSIGNEE of the entire interest in:

- ☐ U.S. Patent No.
☒ U.S. Application filed herewith, entitled "ION BINDING COMPOSITIONS,"
 Attorney Docket No.: 29329-715.202

hereby appoints the following attorneys of Wilson Sonsini Goodrich & Rosati:

Attorney Name	Reg. No.	Attorney Name	Reg. No.
Vern Norviel	32,483	Scott Morris	43,818
James Shay	32,062	Maya Skubatch	52,505
Michael Barclay	32,553	Nicole Fortuné	52,905
Michael Murphy	37,404	Shirley Chen	44,608
U.P. Peter Eng	39,666	Julie Holloway	44,769
Benjamin Glenn	44,713	Kevin Sin	43,110
George Willman	41,378	Michael Panepucci	37,203
Anie Roche	50,512		

and all Wilson Sonsini Goodrich & Rosati attorneys registered to practice before the United States Patent and Trademark Office, to prosecute this application and transact all business in the United States Patent and Trademark Office in connection therewith and hereby revokes all prior powers of attorney; said appointment to be to the exclusion of the inventors and the inventors' attorneys in accordance with the provisions of 37 C.F.R. § 3.71.

The following evidentiary documents establish a chain of title from the original owner to the Assignee:

(complete one of the following)

- ☒ a copy of an Assignment attached hereto, which Assignment for the Application is herewith forwarded to the Patent and Trademark Office for recording; or
- ☐ the Assignment recorded on ___ at reel ___, frames ___ - ___.

Pursuant to 37 C.F.R. § 3.73(b) the undersigned Assignee hereby states that evidentiary documents have been reviewed and hereby certifies that, to the best of ASSIGNEE's knowledge and belief, title is in the identified ASSIGNEE.

Direct all correspondence and telephone calls to:

Name	Anie K. Roche					
Address	Wilson Sonsini Goodrich and Rosati					
Address	650 Page Mill Road					
City	Palo Alto	State	CA	Zip	94304	Customer No.: 021971
Country	USA	Telephone	(650) 493-9300	Fax	(650) 493-6811	

ASSIGNEE: SYMYX THERAPEUTICS, INC.

Name: Dominique Charmot

Signature

Title:

Date:

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

ASSIGNMENT OF APPLICATION

Docket Number 29329-715.202

Whereas, the undersigned:

- | | | | |
|---------------------------------------|-------------------------------------|-------------------------------------|----------------------------------|
| 1. CHARMOT, Dominique
Campbell, CA | 2. FORDTRAN, John
Dallas, TX | 3. CHANG, Han Ting
Livermore, CA | 4. CONNOR, Eric
Los Gatos, CA |
| 5. LIU, Mingjun
Santa Clara, CA | 6. KLAERNER, Gerrit
San Jose, CA | | |

hereinafter termed "Inventors", have invented certain new and useful improvements in

ION BINDING COMPOSITIONS

- ☒ for which an application for United States Patent is filed herewith.
☐ for which a United States Patent issued on __, U.S. Patent No. __.

WHEREAS, Symyx Therapeutics, Inc., a corporation of the State of California, having a place of business at 3100 Central Expressway, Santa Clara, CA 95051, (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below:

Date: 03/22/04

[Signature]
CHARMOT

Date: _____

FORDTRAN

Date: 03/22/04

[Signature]
CHANG

Date: 03/22/04

[Signature]
CONNOR

Date: 03/22/04

[Signature]
LIU

Date: 3/22/04

[Signature]
KLAERNER

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ASSIGNMENT OF APPLICATION

Docket Number 29329-715.202

Whereas, the undersigned:

1. CHARMOT, Dominique
Campbell, CA

2. FORDTRAN, John
Dallas, TX

3. CHANG, Han Ting
Livermore, CA

4. CONNOR, Eric
Los Gatos, CA

5. LIU, Mingjun
Santa Clara, CA

6. KLAERNER, Gerrit
San Jose, CA

hereinafter termed "Inventors", have invented certain new and useful improvements in

ION BINDING COMPOSITIONS

☒ for which an application for United States Patent is filed herewith.

☐ for which a United States Patent issued on __, U.S. Patent No. __.

WHEREAS, Symyx Therapeutics, Inc., a corporation of the State of California, having a place of business at 3100 Central Expressway, Santa Clara, CA 95051, (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below:

Date: _____

CHARMOT

Date: 3-24-04

FORDTRAN

Date: _____

CHANG

Date: _____

CONNOR

Date: _____

LIU

Date: _____

KLAERNER

Please type a plus sign (+) inside this box +

PTO/SB/01 (08-03)

Approved for use through 07/31/2006.OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) <input checked="" type="checkbox"/> Declaration Submitted With Initial Filing OR <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(e) required)	Attorney Docket Number	29329-715.202
	First Named Inventor	CHARMOT, Dominique, et al.
	COMPLETE IF KNOWN	
	Application Number	Not Yet Assigned
	Filing Date	Herewith
	Art Unit	Not Yet Assigned
	Examiner Name	Not Yet Assigned

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

ION BINDING COMPOSITIONS

(Title of the Invention)

the specification of which

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY) as United States Application Number or PCT International

Application Number and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				Yes	No
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

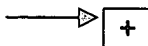
☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

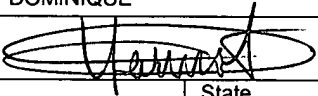
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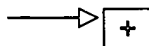
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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DECLARATION — Utility or Design Patent Application

Direct all correspondence to: <input checked="" type="checkbox"/> Customer Number				021971		OR <input type="checkbox"/> Correspondence address below	
Name Anie K. Roche							
Address Wilson Sonsini Goodrich & Rosati							
Address 650 Page Mill Road							
City Palo Alto				State CA		ZIP 94304	
Country U.S.			Telephone 650-493-9300			Fax 650-493-6811	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.							
NAME OF SOLE OR FIRST INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any]) DOMINIQUE				Family Name or Surname CHARMOT			
Inventor's Signature 						Date 03/22/04	
Residence: City Campbell			State California		Country USA		Citizenship France
Mailing Address 1238 Bracebridge Court							
City Campbell			State California		ZIP 95008		Country USA
NAME OF SECOND INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any]) JOHN				Family Name or Surname FORDTRAN			
Inventor's Signature						Date	
Residence: City Dallas			State Texas		Country USA		Citizenship USA
Mailing Address 3508 Hanover Street							
City Dallas			State Texas		ZIP 75225		Country USA
<input type="checkbox"/> Additional inventors or legal representative are being named on the ___ supplemental sheet(s) PTO/SB/02A or 02LR attached hereto:							

Please type a plus sign (+) inside this box




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City Palo Alto				State CA		ZIP 94304	
Country U.S.		Telephone 650-493-9300				Fax 650-493-6811	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.							
NAME OF SOLE OR FIRST INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any]) DOMINIQUE				Family Name or Surname CHARMOT			
Inventor's Signature						Date	
Residence: City Campbell		State California		Country USA		Citizenship France	
Mailing Address 1238 Bracebridge Court							
City Campbell		State California		ZIP 95008		Country USA	
NAME OF SECOND INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any]) JOHN				Family Name or Surname FORDTRAN			
Inventor's Signature <i>John S. Fordtran</i>						Date 3-24-04	
Residence: City Dallas		State Texas		Country USA		Citizenship USA	
Mailing Address 3508 Hanover Street							
City Dallas		State Texas		ZIP 75225		Country USA	
<input type="checkbox"/> Additional inventors or legal representative are being named on the ___ supplemental sheet(s) PTO/SB/02A or 02LR attached hereto:							

Please Type a plus sign (+) inside this box 

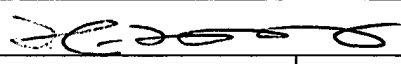
PTO/SB/02A (08-03)

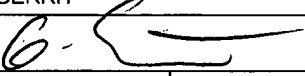
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DECLARATION	ADDITIONAL INVENTOR(S) Supplemental Sheet
Page <u>3</u> of <u>4</u>	

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
HAN TING		CHANG	
Inventor's Signature 		Date <u>03/22/04</u>	
Residence: City Livermore	State California	Country USA	Citizenship Taiwan
Mailing Address 220 Garnet Drive			
Mailing Address			
City Livermore	State California	ZIP 94550	Country USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
ERIC		CONNOR	
Inventor's Signature <u>Eric Connor</u>		Date <u>22ND March 04</u>	
Residence: City Los Gatos	State California	Country USA	Citizenship Ireland
Mailing Address 859 University Avenue			
Mailing Address			
City Los Gatos	State California	ZIP 95032	Country USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
MINGJUN		LIU	
Inventor's Signature <u>Mingjun Liu</u>		Date <u>03/22/04</u>	
Residence: City Santa Clara	State California	Country USA	Citizenship China
Mailing Address 2250 Monroe Street, Apt. 393			
Mailing Address			
City Santa Clara	State California	ZIP 95050	Country USA

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
GERRIT		KLAERNER	
Inventor's Signature 		Date 3/22/04	
Residence: City San Jose	State California	Country USA	Citizenship Germany
Mailing Address 5456 Fern Drive			
Mailing Address			
City San Jose	State California	ZIP 95124	Country USA

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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1-800-786-9199) and select option 2.*